

Name : \_\_\_\_\_

Score : \_\_\_\_\_

Teacher : \_\_\_\_\_

Date : \_\_\_\_\_

## Converting Decimal and Binary Numbers

Convert the given Decimal number to its Binary equivalent.

1)  $83_{(10)} =$  \_\_\_\_\_  $_{(2)}$

2)  $126_{(10)} =$  \_\_\_\_\_  $_{(2)}$

3)  $165_{(10)} =$  \_\_\_\_\_  $_{(2)}$

4)  $171_{(10)} =$  \_\_\_\_\_  $_{(2)}$

5)  $99_{(10)} =$  \_\_\_\_\_  $_{(2)}$

6)  $92_{(10)} =$  \_\_\_\_\_  $_{(2)}$

7)  $120_{(10)} =$  \_\_\_\_\_  $_{(2)}$

8)  $89_{(10)} =$  \_\_\_\_\_  $_{(2)}$

Convert the given Binary to its Decimal equivalent.

9)  $10010001_{(2)} =$  \_\_\_\_\_  $_{(10)}$

10)  $10010100_{(2)} =$  \_\_\_\_\_  $_{(10)}$

11)  $1110010_{(2)} =$  \_\_\_\_\_  $_{(10)}$

12)  $1110001_{(2)} =$  \_\_\_\_\_  $_{(10)}$

13)  $11111101_{(2)} =$  \_\_\_\_\_  $_{(10)}$

14)  $11101001_{(2)} =$  \_\_\_\_\_  $_{(10)}$

15)  $10010101_{(2)} =$  \_\_\_\_\_  $_{(10)}$

16)  $11000010_{(2)} =$  \_\_\_\_\_  $_{(10)}$



Name : \_\_\_\_\_ Score : \_\_\_\_\_

Teacher : \_\_\_\_\_ Date : \_\_\_\_\_

## Converting Decimal and Binary Numbers

Convert the given Decimal number to its Binary equivalent.

1)  $83_{(10)} = \underline{1010011}_{(2)}$

2)  $126_{(10)} = \underline{1111110}_{(2)}$

3)  $165_{(10)} = \underline{10100101}_{(2)}$

4)  $171_{(10)} = \underline{10101011}_{(2)}$

5)  $99_{(10)} = \underline{1100011}_{(2)}$

6)  $92_{(10)} = \underline{1011100}_{(2)}$

7)  $120_{(10)} = \underline{1111000}_{(2)}$

8)  $89_{(10)} = \underline{1011001}_{(2)}$

Convert the given Binary to its Decimal equivalent.

9)  $10010001_{(2)} = \underline{145}_{(10)}$

10)  $10010100_{(2)} = \underline{148}_{(10)}$

11)  $1110010_{(2)} = \underline{114}_{(10)}$

12)  $1110001_{(2)} = \underline{113}_{(10)}$

13)  $11111101_{(2)} = \underline{253}_{(10)}$

14)  $11101001_{(2)} = \underline{233}_{(10)}$

15)  $10010101_{(2)} = \underline{149}_{(10)}$

16)  $11000010_{(2)} = \underline{194}_{(10)}$

